

ABSTRACT

A system and methodology for design-time dynamic class type construction is described. In one embodiment, for example, in a form-based development system, a method is described for dynamically constructing a form under an object framework during development of an application by a user, the method comprises steps of: providing an ancestor class under an object framework, the ancestor class for representing a form in the development system; in response to user input, creating a descendant class inheriting from the ancestor class for representing a particular form to be included in the application; generating instructions for creating methods of the descendant class under the object framework; creating a type delegator for the descendant class, thereby enabling the descendant class to track changes made to the particular form during development of the application; creating an instance of the descendant class; and constructing the particular form in the development system based on the instance of the descendant class.